



# Atlas Agriscience, LLC

## Certificate of Analysis



### ATLAS HEMP, LLC

REF#: 120-March-2020

980 S Harney St.  
Seattle, WA 98108  
sales@atlashemp.com  
1-800-801-ATLAS

Received: 08/09/2024  
Analyzed: 08/13/2024  
Reported: 08/24/2024

### PINEAPPLE EXPRESS

The is the lab results for the Pineapple Express Terpene Sample, ID:120

### POTENCY

Total potential THC: 0  
Total potential CBD: 0  
Total cannabinoids: 0

**Laboratory note :** This product contains terpenes and terpenoids. It does not contain cannabinoids.



18251 Cascade Avenue S  
Tukwila, WA 98188  
(253) 277-3563  
[www.atlasagriscience.com](http://www.atlasagriscience.com)

Jim Roe  
Scientific Director

Ben Hanson  
Director QA/QC

This product has been tested by Atlas Agriscience using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. Atlas Agriscience makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Atlas Agriscience



## FLAVORS & AROMATIC COMPOUNDS

Total	µg/g	LOD	LOQ	HPLC-F			
					µg/g	LOD	LOQ
Cis-3-Hexen-1-ol	0.001	0.001	0.001	Methyl hexanoate	0.0005	0.001	0.001
Methyl anthranilate	0.001	0.001	0.001	Ethyl propionate	0.00025	0.001	0.001
Isoamyl butyrate	0.001	0.001	0.001	Furaneol	0.0005	0.001	0.001
Octanal	0.00025	0.001	0.001	Propionate	0	0.001	0.001
Citral	0.00025	0.001	0.001	Decanal	0.00025	0.001	0.001
Isoamyl acetate	0.001	0.001	0.001	Ethyl butyrate	0	0.001	0.001
Butyl propionate	0	0.001	0.001	Ethyl hexanoate	0.001	0.001	0.001
Ethyl isovalerate	0.00025	0.001	0.001	Propyl hexanoate	0.0005	0.001	0.001
Allyl hexanoate	0.00025	0.001	0.001		0	0.001	0.001

**Laboratory note :** This product contains terpenes and terpenoids. It does not contain cannabinoids.



18251 Cascade Avenue S  
Tukwila, WA 98188  
(253) 277-3563  
[www.atlasagriscience.com](http://www.atlasagriscience.com)

*James P. Roe*

Jim Roe  
Scientific Director

*Ben Hanson*

Ben Hanson  
Director QA/QC

This product has been tested by Atlas Agriscience using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. Atlas Agriscience makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Atlas Agriscience.



### TERPENES

GCMS

64.94% Total	mass %	mg/g	LOD	LOQ	mass %	mg/g	LOD	LOQ	
Camphor	0.03	0.3	0.01	0.09	D-Limonene	18.31	183.1	0.03	0.09
Caryophyllene oxide	2.05	20.5	0.03	0.09	Bisabolene	1.35	13.5	0.03	0.11
BetaCaryophyllene	17.62	176.2	0.03	0.05	alpha-Farnesene	0.35	3.5	0.03	0.09
beta-Farnesene	2.11	21.1	0.03	0.09	Humulene	5.98	59.8	0.03	0.11
Nerolidol	0.03	0.3	0.03	0.09	cis-Nerolidol	0.06	0.6	0.03	0.09
Alloaromadendrene	0.06	0.6	0.03	0.09	Borneol	0.2	2	0.03	0.09
Linalool	4.34	43.4	0.04	0.13	Camphene	0.46	4.6	0.008	0.09
Terpinolene	0.1	1	0.00016	0.0013	Fenchone	0.23	2.3	0.01	0.09
beta-Pinene	2.89	28.9	0.03	0.05	Fenchol	1.78	17.8	0.02	0.09
Terpineol	0.64	6.4	0.07	0.23	Myrcene	4.12	41.2	0.02	0.07
Valencene	0.32	3.2	0.03	0.09	alpha-Pinene	1.89	18.9	0.006	0.02
Hashishene	< LOD	< LOD	0.03	0.09	Carbon Dioxide	< LOD	< LOD	0.03	0.09
Citric Acid	< LOD	< LOD	0.03	0.09	Octane	< LOD	< LOD	0.03	0.09
Octanal	< LOD	< LOD	0.03	0.09	Guaiacol	< LOD	< LOD	0.03	0.09
Malic Acid	< LOD	< LOD	0.03	0.09	Edible Alcohol	< LOD	< LOD	0.03	0.09
Glycerol	< LOD	< LOD	0.03	0.09	1-Octanol	< LOD	< LOD	0.03	0.09
Distilled Water	< LOD	< LOD	0.03	0.09	Propylene glycol	< LOD	< LOD	0.03	0.09
Toluene	< LOD	< LOD	0.03	0.09	Vanillin	< LOD	< LOD	0.03	0.09
Menthol	< LOD	< LOD	0.03	0.09	CBN	< LOD	< LOD	0.03	0.09
Eucalyptol	< LOD	< LOD	0.05	0.19	Decanoic acid	< LOD	< LOD	0.03	0.09
THC	< LOD	< LOD	0.03	0.09	1-Pentanol	< LOD	< LOD	0.03	0.09
Bornyl acetate	< LOD	< LOD	0.03	0.09	Ethyl methylphenylglycidole	< LOD	< LOD	0.03	0.09
Tetraethyl orthosilicate	< LOD	< LOD	0.03	0.09	bisphenol a	< LOD	< LOD	0.03	0.09
Cyclotene	< LOD	< LOD	0.03	0.09	piperitone	< LOD	< LOD	0.03	0.09
Pulegone	< LOD	< LOD	0.03	0.09	Thymol	< LOD	< LOD	0.03	0.09
Methyl eugenol	< LOD	< LOD	0.03	0.09	Ethyl lactate	< LOD	< LOD	0.03	0.09
Isobutyl isobutyrate	< LOD	< LOD	0.03	0.09	alpha-Phellandrene	< LOD	< LOD	0.01	0.05
gamma-Terpinene	< LOD	< LOD	0.01	0.05	alpha-Terpinene	< LOD	< LOD	0.03	0.09
p-Cymene	< LOD	< LOD	0.01	0.09	gamma-Octanoic lactone	< LOD	< LOD	0.03	0.09
Gamma-undecalactone	< LOD	< LOD	0.03	0.09	Ethyl propionate	< LOD	< LOD	0.03	0.09
Ethyl butyrate	< LOD	< LOD	0.03	0.09	isoamyl propionate	< LOD	< LOD	0.03	0.09
Citronellal	< LOD	< LOD	0.03	0.09	isoamyl butyrate	< LOD	< LOD	0.03	0.09
ethyl heptanoate	< LOD	< LOD	0.03	0.09	Methyl hexanoate	< LOD	< LOD	0.03	0.09
methyl heptanoate	< LOD	< LOD	0.03	0.09	Isopropyl acetate	< LOD	< LOD	0.03	0.09
Ethyl isovalerate	< LOD	< LOD	0.03	0.09	Butyl butyrate	< LOD	< LOD	0.03	0.09
Isobutyl acetate	< LOD	< LOD	0.03	0.09	2-Heptanone	< LOD	< LOD	0.03	0.09
methyl octanoate	< LOD	< LOD	0.03	0.09	1-Hexanol	< LOD	< LOD	0.03	0.09
1-Heptanol	< LOD	< LOD	0.03	0.09	Heptanal	< LOD	< LOD	0.03	0.09
octyl acetate	< LOD	< LOD	0.03	0.09	decanal	< LOD	< LOD	0.03	0.09
Linalyl acetate	< LOD	< LOD	0.03	0.09	2-Methylbutyric Acid	< LOD	< LOD	0.03	0.09
Maltol	< LOD	< LOD	0.03	0.09	Ethyl vanillin	< LOD	< LOD	0.03	0.09
Methyl anthranilate	< LOD	< LOD	0.03	0.09	Butyl lactate	< LOD	< LOD	0.03	0.09
Methyl chavicol	< LOD	< LOD	0.03	0.09	Citronellol	< LOD	< LOD	0.04	0.09
Ethyl acetate	< LOD	< LOD	0.03	0.09	pyridinol	< LOD	< LOD	0.03	0.09
Hexanoic acid	< LOD	< LOD	0.03	0.09	Hexyl acetate	< LOD	< LOD	0.03	0.09
Citronellyl acetate (dl-Citronel)	< LOD	< LOD	0.03	0.09	6-Methyl-5-hepten-2-one	< LOD	< LOD	0.03	0.09
cineole	< LOD	< LOD	0.03	0.09	cis-2-Pinanol	< LOD	< LOD	0.03	0.09
Carvacrol	< LOD	< LOD	0.03	0.09	Cycloheptanone	< LOD	< LOD	0.03	0.09
alpha-Bisabolol	< LOD	< LOD	0.03	0.09	beta-Cadinene	< LOD	< LOD	0.03	0.09
O-Cymene	< LOD	< LOD	0.03	0.09	m-cymene	< LOD	< LOD	0.03	0.09
Pentyl butyrate	< LOD	< LOD	0.03	0.09	Isobutyl propionate	< LOD	< LOD	0.03	0.09
Beta-Phellandrene	< LOD	< LOD	0.03	0.09	4-Carvomenthenol	< LOD	< LOD	0.03	0.09
gamma-Terpineol	< LOD	< LOD	0.03	0.09	Butyl propionate	< LOD	< LOD	0.03	0.09
3-Methylbutanal	< LOD	< LOD	0.03	0.09	5-Methylfurfural	< LOD	< LOD	0.03	0.09
Methyl butyrate	< LOD	< LOD	0.03	0.09	Propyl hexanoate	< LOD	< LOD	0.03	0.09
Pentyl acetate	< LOD	< LOD	0.03	0.09	phytane	< LOD	< LOD	0.03	0.09
Octadecanal	< LOD	< LOD	0.03	0.09	valerolactam	< LOD	< LOD	0.03	0.09
gamma-Caprolactone	< LOD	< LOD	0.03	0.09	delta-Dodecalactone	< LOD	< LOD	0.03	0.09
2-nonanone	< LOD	< LOD	0.03	0.09	1,1-Dimethoxycyclohexane	< LOD	< LOD	0.03	0.09
2-Acetylpyrrole	< LOD	< LOD	0.03	0.09	2,3,5,6-Tetramethylpyrazine	< LOD	< LOD	0.03	0.09
Dronabinol	< LOD	< LOD	0.03	0.09	d-carvone	< LOD	< LOD	0.03	0.09
Hexyl isobutyrate	< LOD	< LOD	0.03	0.09	Hexyl butyrate	< LOD	< LOD	0.03	0.09
Allyl cyclohexanepropionate	< LOD	< LOD	0.03	0.09	alpha-Thujene	< LOD	< LOD	0.03	0.09
Sabinene	< LOD	< LOD	0.1	0.32	Furaneol AKA 4-Hydroxy-2,5-dimethyl-2,3-dimethylpyrazine	< LOD	< LOD	0.03	0.09
Ethyl maltol	< LOD	< LOD	0.03	0.09	2,3-Dimethylpyrazine	< LOD	< LOD	0.03	0.09
Linalyl oxide	< LOD	< LOD	0.03	0.09	Limonene	< LOD	< LOD	0.03	0.05
Hexyl hexanoate	< LOD	< LOD	0.03	0.09	Ethyl 2-methylbutyrate	< LOD	< LOD	0.03	0.09
3-Carene	< LOD	< LOD	0.01	0.09	l-menthone	< LOD	< LOD	0.03	0.09

2,3,5-Trimethylpyrazine	< LOD	< LOD	0.03	0.09
menthyl acetate	< LOD	< LOD	0.03	0.09
CBC	< LOD	< LOD	0.03	0.09
4-Methoxybenzaldehyde	< LOD	< LOD	0.03	0.09
Ethyl hexanoate	< LOD	< LOD	0.03	0.09
Butyl acetate	< LOD	< LOD	0.03	0.09
Nonanal	< LOD	< LOD	0.03	0.09
safranal	< LOD	< LOD	0.03	0.09
Ethyl 3-(methylthio)propionate	< LOD	< LOD	0.03	0.09
p-Mentha-8-thiol-3-one	< LOD	< LOD	0.03	0.09
4-Thujanol	< LOD	< LOD	0.08	0.27
Cedrol	< LOD	< LOD	0.03	0.09
lupulone	< LOD	< LOD	0.03	0.09
d-isomenthone	< LOD	< LOD	0.03	0.09
(-)-Catechin	< LOD	< LOD	0.03	0.09
alpha-Bergamotene	< LOD	< LOD	0.03	0.09
Bulnesol	< LOD	< LOD	0.03	0.09
β-Eudesmol	< LOD	< LOD	0.02	0.09
gamma-Cadinene	< LOD	< LOD	0.03	0.09
THCV	< LOD	< LOD	0.03	0.09
2-methyl butyl isobutyrate	< LOD	< LOD	0.03	0.09
Strawberry fragaria vesca	< LOD	< LOD	0.03	0.09
isoterpinolene	< LOD	< LOD	0.03	0.09
CBDA	< LOD	< LOD	0.03	0.09
Isopulegol	< LOD	< LOD	0.03	0.09
Guaiol	< LOD	< LOD	0.01	0.09
Longifolene	< LOD	< LOD	0.03	0.09
colupulone	< LOD	< LOD	0.03	0.09
alpha-Cedrene	< LOD	< LOD	0.03	0.32
beta-Selinene	< LOD	< LOD	0.03	0.09
farnesol 1	< LOD	< LOD	0.03	0.09
mercaptohexyl acetate	< LOD	< LOD	0.03	0.09
beta-Thujene	< LOD	< LOD	0.03	0.09
gamma-Patchoulene	< LOD	< LOD	0.03	0.09
Eudesmadiene	< LOD	< LOD	0.03	0.09
Vanillyl acetate	< LOD	< LOD	0.03	0.09
alpha-Panasinsen	< LOD	< LOD	0.03	0.09
Phetyl acetate	< LOD	< LOD	0.03	0.09
Geraniol	< LOD	< LOD	0.03	0.09
beta-Ionone	< LOD	< LOD	0.03	0.09
squalene	< LOD	< LOD	0.03	0.09
CBD	< LOD	< LOD	0.03	0.09
Geranyl Acetate	< LOD	< LOD	0.03	0.09
Phytol	< LOD	< LOD	0.03	0.09
cis-3-Hexen-1-ol	< LOD	< LOD	0.03	0.09
beta-Ocimene	< LOD	< LOD	0.03	0.09
alpha-Ionone	< LOD	< LOD	0.03	0.09
trans-3-Hexen-1-ol	< LOD	< LOD	0.03	0.09
alpha-Guaiene	< LOD	< LOD	0.03	0.09
cis-beta-ocimene	< LOD	< LOD	0.03	0.09
trans-2-Pinanol	< LOD	< LOD	0.03	0.09
cis-3-Hexenyl hexanoate	< LOD	< LOD	0.03	0.09
cis-3-Hexenyl acetate	< LOD	< LOD	0.03	0.09
Methyl geranate	< LOD	< LOD	0.03	0.09
Hotrienol	< LOD	< LOD	0.03	0.09
(E)-beta-Damascone	< LOD	< LOD	0.03	0.09
Zonarene	< LOD	< LOD	0.03	0.09
trans-alpha-Bergamotene	< LOD	< LOD	0.03	0.09
beta-Acorenol	< LOD	< LOD	0.03	0.09
gamma-Muurolene	< LOD	< LOD	0.03	0.09
alpha-Bulnesene	< LOD	< LOD	0.03	0.09
Ethyl linalool	< LOD	< LOD	0.03	0.09
beta-Elemene	< LOD	< LOD	0.03	0.09
Butter	< LOD	< LOD	0.03	0.09
Mung Bean Powder	< LOD	< LOD	0.03	0.09
Allohimachalol	< LOD	< LOD	0.03	0.09
alpha-Selinene	< LOD	< LOD	0.03	0.09
beta-Himachalene	< LOD	< LOD	0.03	0.09
beta-Pinene oxide	< LOD	< LOD	0.03	0.09
alpha-Muurolene	< LOD	< LOD	0.03	0.09
Sabinene Hydrate	< LOD	< LOD	0.03	0.09
beta-Guaiene	< LOD	< LOD	0.03	0.09
Tabanone	< LOD	< LOD	0.03	0.09
allo-Aromadendrene	< LOD	< LOD	0.03	0.09
CBDVA	< LOD	< LOD	0.03	0.09
gamma-Vetivenene	< LOD	< LOD	0.03	0.09
unknown	< LOD	< LOD	0.03	0.09
6/7-Epoxymyrcene	< LOD	< LOD	0.03	0.09
d9-THC	< LOD	< LOD	0.03	0.09

Rose oxide	< LOD	< LOD	0.03	0.09
verbenone	< LOD	< LOD	0.03	0.09
Acetylpyrazine - 1,4-Dihydro-2	< LOD	< LOD	0.03	0.09
Ethyl nonanoate	< LOD	< LOD	0.03	0.09
Allyl hexanoate	< LOD	< LOD	0.03	0.09
Isoamyl acetate	< LOD	< LOD	0.03	0.09
Melonal	< LOD	< LOD	0.03	0.09
delta-Undecalactone	< LOD	< LOD	0.03	0.09
Methyl 3-(methylthio)propionate	< LOD	< LOD	0.03	0.09
1-Phenylethyl acetate	< LOD	< LOD	0.03	0.09
2-Isopropyl-N,2,3-trimethylbut	< LOD	< LOD	0.03	0.09
beta-Terpinene	< LOD	< LOD	0.03	0.09
Perillene	< LOD	< LOD	0.03	0.09
Sucralose	< LOD	< LOD	0.03	0.09
Rhodinol	< LOD	< LOD	0.03	0.09
Hexyl propanoate	< LOD	< LOD	0.03	0.09
beta-Thujone	< LOD	< LOD	0.03	0.09
Elemol	< LOD	< LOD	0.03	0.09
Ledol	< LOD	< LOD	0.03	0.09
delta-Guaiene	< LOD	< LOD	0.03	0.09
THCA	< LOD	< LOD	0.03	0.09
Camphene hydrate	< LOD	< LOD	0.03	0.09
Linalool, oxide	< LOD	< LOD	0.03	0.09
D-Menthol	< LOD	< LOD	0.03	0.09
(2S)-2-Hydroxybutanedioic Acid	< LOD	< LOD	0.03	0.09
3-octanone	< LOD	< LOD	0.03	0.09
Hinesol	< LOD	< LOD	0.03	0.09
Carvone	< LOD	< LOD	0.03	0.09
alpha-Cubebene	< LOD	< LOD	0.03	0.09
alpha-Ylangene	< LOD	< LOD	0.03	0.09
TransLimonene oxide	< LOD	< LOD	0.03	0.09
isoamyl isobutyrate	< LOD	< LOD	0.03	0.09
Junipercamphor	< LOD	< LOD	0.03	0.09
gamma-Selinene	< LOD	< LOD	0.03	0.09
6/9-Guaiadiene	< LOD	< LOD	0.03	0.09
terpinyl butyrate	< LOD	< LOD	0.03	0.09
THCAA	< LOD	< LOD	0.03	0.09
Methyl cinnamate	< LOD	< LOD	0.03	0.09
citral	< LOD	< LOD	0.03	0.09
delta8-THC	< LOD	< LOD	0.03	0.09
Nerol	< LOD	< LOD	0.03	0.09
nootkatone	< LOD	< LOD	0.03	0.09
2-Ethyl-3-hydroxy-4H-pyridin-4-t	< LOD	< LOD	0.03	0.09
5.78 Ethyl tiglate	< LOD	< LOD	0.03	0.09
Germacrene B	< LOD	< LOD	0.03	0.09
Mangiferin	< LOD	< LOD	0.03	0.09
2-Decenoic acid	< LOD	< LOD	0.03	0.09
CBG	< LOD	< LOD	0.03	0.09
alpha-Ocimene	< LOD	< LOD	0.03	0.09
Caryophyllene	< LOD	< LOD	0.03	0.09
(Z)-3-Hexenyl butyrate	< LOD	< LOD	0.03	0.09
Geranyl butyrate	< LOD	< LOD	0.03	0.09
(2E)-2-Methyl-2-pentenedioic Acid	< LOD	< LOD	0.03	0.09
alpha-Damascone	< LOD	< LOD	0.03	0.09
trans-beta-Ocimene	< LOD	< LOD	0.03	0.09
Isoborneol, (-)	< LOD	< LOD	0.008	0.09
Selina-3/7(11)-diene	< LOD	< LOD	0.03	0.09
10-epi-gamma-Eudesmol	< LOD	< LOD	0.03	0.09
gamma-Eudesmol	< LOD	< LOD	0.03	0.09
gamma-Elemene	< LOD	< LOD	0.03	0.09
farnesol 2	< LOD	< LOD	0.03	0.09
Cannabigerolic Acid	< LOD	< LOD	0.03	0.09
1r-endo-fenchyl-alcohol	< LOD	< LOD	0.03	0.09
L-Carnitine-L-tartrate	< LOD	< LOD	0.03	0.09
beta-Bisabolene	< LOD	< LOD	0.03	0.09
Humulene epoxide II	< LOD	< LOD	0.03	0.09
Sativene	< LOD	< LOD	0.03	0.09
CBDV	< LOD	< LOD	0.03	0.09
α-Thujone	< LOD	< LOD	0.03	0.09
alpha-Amorphene	< LOD	< LOD	0.03	0.09
Bicyclogermacrene	< LOD	< LOD	0.03	0.09
alpha-Gurjunene	< LOD	< LOD	0.03	0.09
4-methyl-butyric-acid	< LOD	< LOD	0.03	0.09
CBGVA	< LOD	< LOD	0.03	0.09
alpha-Copaene	< LOD	< LOD	0.03	0.09
cis-alpha-Bergamotene	< LOD	< LOD	0.03	0.09
Corn Flour	< LOD	< LOD	0.03	0.09
Sabine	< LOD	< LOD	0.03	0.09
2-10-pinene	< LOD	< LOD	0.03	0.09

R-a-Pinene	< LOD	< LOD	0.03	0.09	Strawberry fragaria vesca	< LOD	< LOD	0.03	0.09
Rose Powder	< LOD	< LOD	0.03	0.09	Ginger Powder	< LOD	< LOD	0.03	0.09
Heavy Milk	< LOD	< LOD	0.03	0.09	Citrus-auran-fifolia Swingle	< LOD	< LOD	0.03	0.09
Fatty Acid	< LOD	< LOD	0.03	0.09	Coco Extract	< LOD	< LOD	0.03	0.09

**Laboratory note :** This product contains terpenes and terpenoids. It does not contain cannabinoids.



18251 Cascade Avenue S  
 Tukwila, WA 98188  
 (253) 277-3563  
[www.atlasagriscience.com](http://www.atlasagriscience.com)

Jim Roe  
 Scientific Director

Ben Hanson  
 Director QA/QC

This product has been tested by Atlas Agriscience using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. Atlas Agriscience makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Atlas Agriscience



## CANNABINOIDS

										HPLC-PDA
	mass %	mg/g	LOD	LOQ		mass %	mg/g	LOD	LOQ	LOQ
Δ9-THC	0	0	0.01	0.03	Δ8-THC	0	0	0.01	0.03	
THCa	0	0	0.01	0.03	THCV	0	0	0.01	0.03	
CBD	0	0	0.01	0.03	THCVa	0	0	0.01	0.03	
CBDa	0	0	0.01	0.03	CBDV	0	0	0.01	0.03	
CBG	0	0	0.01	0.03	CBDVa	0	0	0.01	0.03	
CBGa	0	0	0.01	0.03	CBCV	0	0	0.01	0.03	
CBN	0	0	0.01	0.03	CBCO	0	0	0.01	0.03	
CBNa	0	0	0.01	0.03	CBL	0	0	0.01	0.03	
CBC	0	0	0.01	0.03	CBLa	0	0	0.01	0.03	
CBCa	0	0	0.01	0.03	CBT	0	0	0.01	0.03	

**Laboratory note :** This product contains terpenes and terpenoids. It does not contain cannabinoids.



18251 Cascade Avenue S  
Tukwila, WA 98188  
(253) 277-3563  
[www.atlasagriscience.com](http://www.atlasagriscience.com)

*James P. Roe*

Jim Roe  
Scientific Director

*Ben Hanson*

Ben Hanson  
Director QA/QC

This product has been tested by Atlas Agriscience using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. Atlas Agriscience makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Atlas Agriscience.



## PESTICIDES

3-Hydroxycarbofure	< LOD	0.075	0.25	Abamectin B1a	< LOD	0.15	0.45
Acephate	< LOD	0.1	0.3	Acetamiprid	< LOD	0.033	0.1
Aldicarb Sulfone	< LOD	0.05	0.2	Aldicarb	< LOD	0.075	0.25
Aminocarb	< LOD	0.033	0.1	Azoxystrobin	< LOD	0.05	0.2
Benalaxyl	< LOD	0.05	0.15	Bifenthrin	< LOD	0.05	0.2
Bifenazate	< LOD	0.05	0.2	Boscalid	< LOD		
Butafenacil	< LOD	0.05	0.15	Carbaryl	< LOD	0.05	0.2
Carbetamide	< LOD	0.05	0.15	Carbofuran	< LOD	0.05	0.15
Carboxin	< LOD	0.05	0.15	Carfentrazone-etl	< LOD	0.05	0.2
Chlorantraniliprole	< LOD	0.075	0.25	Chlorotoluron	< LOD	0.05	0.2
Chloroxuron	< LOD	0.05	0.15	Chlorpyrifos	< LOD	0.075	0.25
Clofentezine	< LOD			Clothianidin	< LOD	0.05	0.15
Cyazofamid	< LOD	0.05	0.15	Cycluron	< LOD	0.05	0.15
Diazinon	< LOD	0.05	0.2	Diclotophos	< LOD	0.05	0.15
Diethofencarb	< LOD	0.05	0.15	Dimethoate	< LOD	0.05	0.2
Dimethomorph	< LOD	0.05	0.2	Dimoxystrobin	< LOD	0.05	0.15
Diuron	< LOD	0.1	0.3	Epoxiconazole	< LOD	0.075	0.25
Ethiofencarb	< LOD	0.075	0.25	Ethoprophos	< LOD	0.1	0.4
Etofenprox	< LOD	0.04	0.125	Etoazole	< LOD	0.05	0.2
Fenamidone	< LOD	0.05	0.15	Fenazaquin	< LOD	0.05	0.2
Fenoxycarb	< LOD	0.05	0.2	Fenpyroximate	< LOD	0.04	0.125
Fenuron	< LOD	0.033	0.1	Fipronil	< LOD	0.1	0.3
Flonicamid	< LOD			Fluazinam	< LOD	0.075	0.25
Fludioxonil	< LOD			Flufenacet	< LOD	0.05	0.2
Fluometuron	< LOD	0.05	0.2	Flutolanil	< LOD	0.05	0.2
Fuberidazole	< LOD	0.033	0.1	Furalaxyl	< LOD	0.05	0.15
Furathiocarb	< LOD	0.05	0.2	Hexythiazox	< LOD	0.05	0.2
Imazalil	< LOD	0.1	0.4	Imidacloprid	< LOD	0.05	0.2
Indoxacarb	< LOD	0.05	0.2	Iprovalicarb	< LOD	0.05	0.2
Isoprocarb	< LOD	0.075	0.25	Isoproturon	< LOD	0.05	0.15
Kresoxym-methyl	< LOD	0.1	0.3	Malathion	< LOD	0.05	0.2
Mandipropamid	< LOD	0.05	0.2	Mefenacet	< LOD	0.05	0.15
Metalaxyl	< LOD	0.033	0.1	Methabenzthiazu	< LOD	0.05	0.15
Methamidophos	< LOD	0.05	0.15	Methiocarb	< LOD		
Methomyl	< LOD	0.05	0.2	Methoprotryne	< LOD	0.05	0.2
Methoxyfenozide	< LOD	0.05	0.15	Mexacarbate	< LOD	0.033	0.1
Monocrotophos	< LOD	0.05	0.15	Myclobutanil	< LOD	0.075	0.25
Nitenpyram	< LOD	0.05	0.15	Omethoate	< LOD	0.05	0.2
Oxadixyl	< LOD	0.075	0.25	Oxamyl	< LOD	0.033	0.1
Paclobutrazol	< LOD	0.05	0.15	Permethrin	< LOD	0.05	0.2
Phosmet	< LOD			Picoxystrobin	< LOD	0.05	0.2
Piperonyl Butoxide	< LOD	0.05	0.15	Pirimicarb	< LOD	0.05	0.15
Prometon	< LOD	0.05	0.2	Propamocarb	< LOD	0.04	0.125
Propargite	< LOD	0.05	0.15	Propoxur	< LOD	0.04	0.125
Pymetrozine	< LOD	0.05	0.2	Pyracarbolid	< LOD	0.04	0.125
Pyraclostrobin	< LOD	0.1	0.3	Pyrethrin I	< LOD		
Pyrethrin II	< LOD	0.075	0.25	Pyridaben	< LOD	0.05	0.2
Pyriproxyfen	< LOD	0.04	0.125	Quinoxifen	< LOD	0.033	0.1
Rotenone	< LOD	0.05	0.15	Spinosad A	< LOD	0.05	0.2
Spinosad D	< LOD	0.05	0.2	Spiromesifen	< LOD	0.04	0.125
Spirotetramat	< LOD	0.033	0.1	Spiroxamine	< LOD	0.05	0.15
Tebuconazole	< LOD			Tebufenozide	< LOD	0.05	0.15
Tebuthiuron	< LOD			Thiacloprid	< LOD	0.05	0.15
Thiamethoxam	< LOD	0.05	0.2	Thiobencarb	< LOD	0.05	0.2
Thiophanate-Methy	< LOD	0.033	0.1	Tricyclazole	< LOD	0.05	0.15
Trifloxystrobin	< LOD	0.05	0.2	Triflumizole	< LOD	0.05	0.15
Uniconazole	< LOD	0.1	0.4	Vamidotion	< LOD	0.033	0.1
Zoxamide	< LOD	0.05	0.2				



18251 Cascade Avenue S  
Tukwila, WA 98188  
(253) 277-3563  
[www.atlasagriscience.com](http://www.atlasagriscience.com)

*James P. Roe*

Jim Roe  
Scientific Director

*Ben Hanson*

Ben Hanson  
Director QA/QC



## HEAVY METALS

	µg/g	LOD	LOQ
Arsenic (As)	< LOD	0.004	0.012
Cadmium (Cd)	< LOD	0.002	0.008
Lead (Pb)	< LOD	0.002	0.004
Mercury (Hg)	< LOD	0.004	0.018

**Laboratory note :** This product contains terpenes and terpenoids. It does not contain cannabinoids.



18251 Cascade Avenue S  
Tukwila, WA 98188  
(253) 277-3563  
[www.atlasagriscience.com](http://www.atlasagriscience.com)

*James P. Roe*

Jim Roe  
Scientific Director

*Ben Hanson*

Ben Hanson  
Director QA/QC

This product has been tested by Atlas Agriscience using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. Atlas Agriscience makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Atlas Agriscience